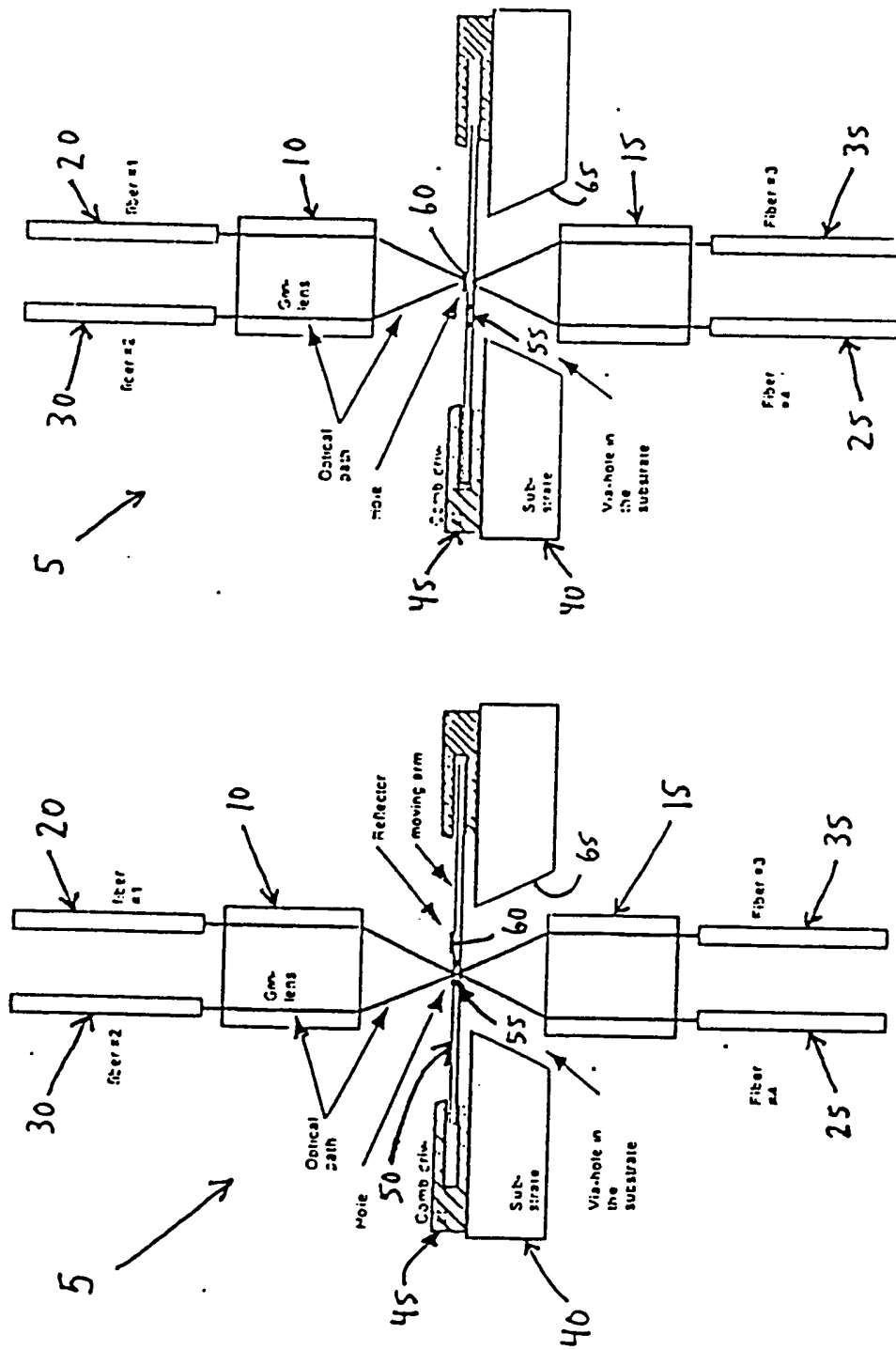


1- 2X2 cross bar switch:

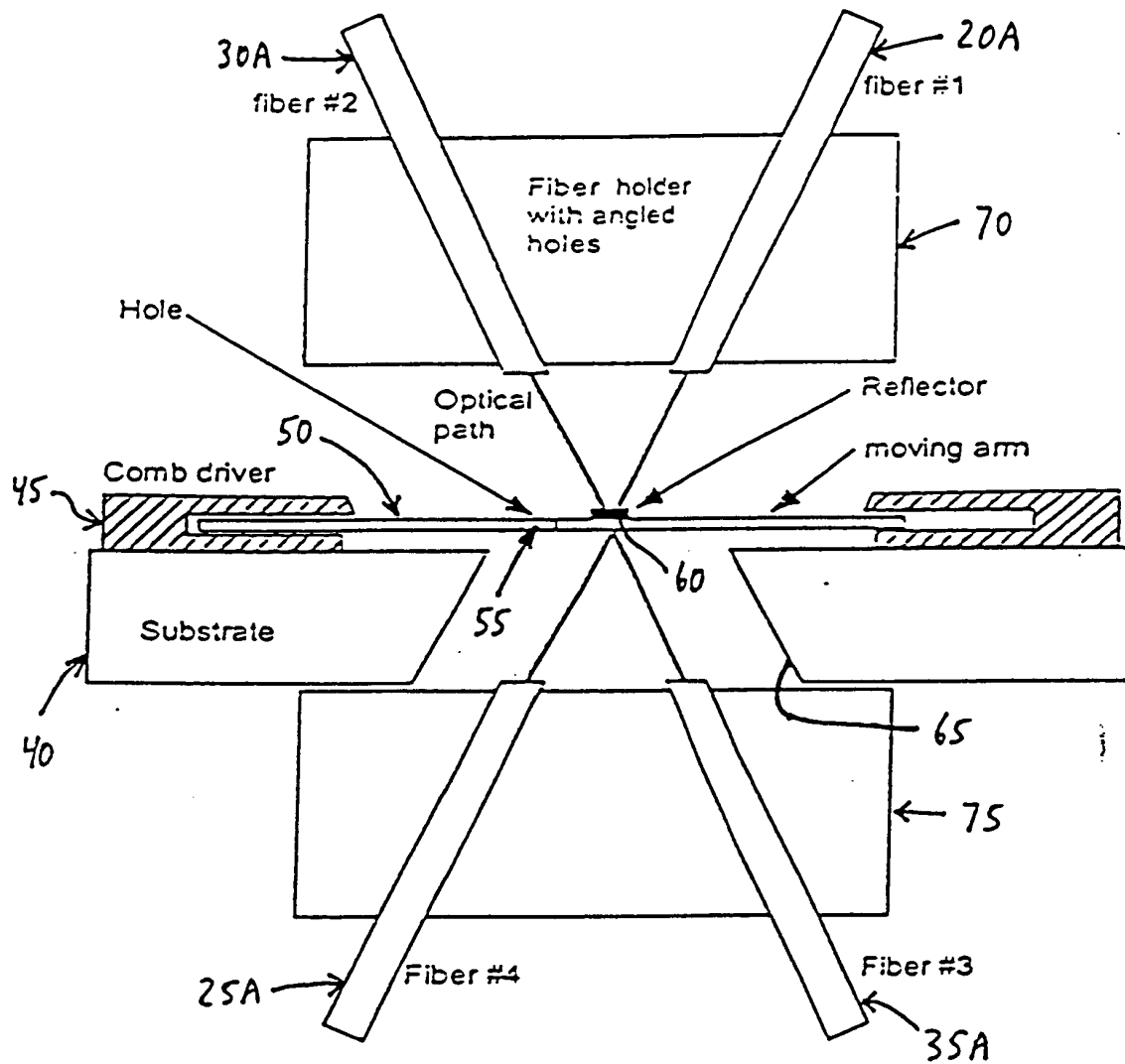


Case (a) : through connection
(Fiber 1-4 , Fiber 2-3)

FIG. 1

Case (b): Cross connection
(Fiber 1-2 , Fiber 3-4)

FIG. 2



Angled fiber holder delivery system

FIG. 3

2- 1XN switch:

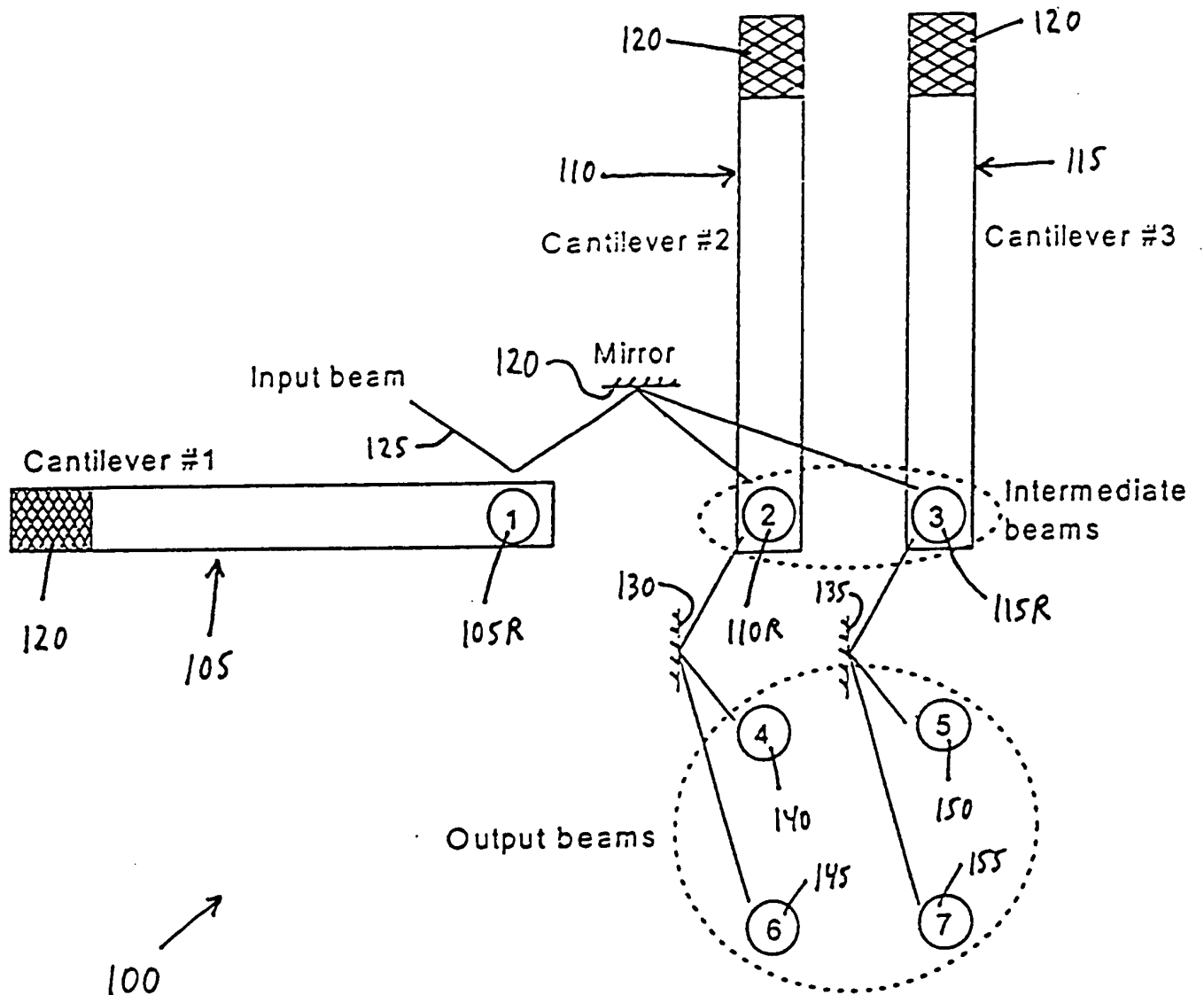


FIG. 4

